SVKM's

D. J. Sanghvi College of Engineering

Program: B.Tech in Production Academic Year: 2022 Duration: 3 hours

Engineering Date: 13.01.2023

Time: 10:30 am to 01:30 pm

Subject: Engineering Economics Finance Costing and Accounting

Marks: 75

(Semester VII)

Instructions: Candidates should read carefully the instructions printed on the question paper and on the cover page of the Answer Book, which is provided for their use.

- (1) This question paper contains three pages.
- (2) All Questions are Compulsory.
- (3) All questions carry equal marks.
- (4) Answer to each new question is to be started on a fresh page.
- (5) Figures in the brackets on the right indicate full marks.
- (6) Assume suitable data wherever required, but justify it.
- (7) Draw the neat labelled diagrams, wherever necessary.

Question	Attempt all questions.				
No.		Marks			
Q.1.	Attempt any three				
	a) Explain Production Possibility Curve with an example.				
	b) Explain features of Capitalist Economy				
	c) How Adam Smith has defined Economics?				
	d) Explain four basic economic problem as a central economic problem.				
Q.2.	Write short note on any three	15			
	a) Law of Supply				
	b) Elasticity of Supply				
	c) Oligopolistic Competition form of market structure				
	d) Law of Diminishing Marginal Utility				
	e) Exceptions to the Law of Demand				
Q.3.	Write short note on any three	15			
	a) Income method of measuring National Income				
	b) Gross Domestic Product				
	c) Measures to check Inflation				

******* 1 *******

	d)	Function	s of Central Bank				
	e)	e) Qualitative selective measures to regulate credit policy					
Q.4.	a)	a) Explain the golden rules of accounting with an example.					4
	b)	How fina	ancial performance are analy	zed?			4
	c)	r) From the following particulars prepare Balance sheet as on 31st March 2021					7
			Capital	₹	550,000.00		
			Drawing	₹	15,000.00		
			Sundry Debtors	₹	175,000.00		
			Sundry Creditors	₹	90,000.00		
			Loan from Bank	₹	30,000.00		
			Net Profit	₹	200,000.00		
			Closing Stock	₹	60,000.00		
			Plant & Machinery	₹	150,000.00		
			Building	₹	130,000.00		
			Land	₹	250,000.00		
			Goodwill	₹	50,000.00		
			Furniture	₹	40,000.00		
		March 2		T =	350,000,00	1	
			Gross Profit	₹	350,000.00	1	
			Commission Received	₹	40,000.00		
			Rent Received	₹	20,000.00		
			Discount Received	₹	25,000.00		
			Dividend Received	₹	25,000.00		
			Administration Expenses	₹	35,000.00		
			Selling Expenses	₹	25,000.00		
			Distribution Expenses	₹	38,000.00		
			Office Expenses	₹	42,000.00		
			Trade Expenses	₹	50,000.00		
				-			
			General Expenses	₹	65.000.00		
			General Expenses Carriage outwards	₹	65,000.00 65,000.00		
Q.5.	1		Carriage outwards mpany produces a single art	₹	65,000.00	ata is given about	15
Q.5.	1	Pepsi Co	Carriage outwards mpany produces a single art	₹	65,000.00	ata is given about	15

******* 2 *******

Marginal cost per unit Rs.24

Fixed cost per annum Rs. 16000

Calculate:

- (i) Profit at sales of Rs. 60,000
- (ii) New break even sales, if price is reduced by 10%.



Following information has been collected from the books of PQ Ltd.

Cost of material 40,000

Direct Labour 70,000 Factory overhead 70,000

Office and administrative overhead 30,000

Selling and distribution overhead 40,000

Sales 2,40,000

Prepare cost sheet with given details.

Determine

- (1) % of factory Overhead to direct labor
- (2) % office cost to factory cost
- (3) % selling on cost to factory cost
- (4) % Profit on Sales



For making 10 kg. of yarn, the standard material requirement is:

Quantity (kg.) Rate per kg. (Rs.) Material

White 8 6.00

Black 4 4.00

In March, 1,000 kg. of yarn was produced. The actual consumption of materials is as under:

Material Quantity (kg.) Rate per kg. (Rs.)

White 750 7.00 Black 500 5.00

Calculate: (1) MCV (2) MPV (3) MUV



Prepare "Process A" account with given information

Total 850 units are produced and transferred to next process from

Process A account

Following informations are given for a process

1000 units @ 10 percent unit Material introduced

₹ 2000 labor cost ₹ 1000 Indirect expenses. ₹ 2000 Direct expenses

Normal loss 10% of input sold@ ₹ 2/ unit